Temporary bamboo stadium
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composition:

- finishing cladding
- central disassembled hanging roof
- main load bearing: cantilever structure
- facilities from prefabrication panels

program:

- 2nd floor
- 1st floor
- ground floor

- pitch
- viewing zone
- toilets
- player/media
- tickets
- catering/retail
Assembly sequency

1. assembly of main cantilever structure

2. assembly of prefabricated floors

3. assembly of prefabricated walls and roofs

Composition of prefabricated panels

- 18mm vertical wood panel facade
- 10mm water proof
- 100 mm bamboo poles with wood batten at ends, the wood batten at two sides connect with another wall panel using metal clamp to connect bamboo poles with wood facade
- 40mm wood floor covering
- 10mm wood floor covering
- 10mm wood batten
- 10mm plywood
- 150mm bamboo poles with wooden facade
- 50mm bamboo poles
- 60mm bamboo poles
- 50mm bamboo poles
- 50mm thermal insulation
- 50mm thermal insulation
- 60mm sound insulation
- 50mm thermal insulation
- 40mm wood batten
- 10mm vapour barrier
- 12mm interior wood panel
- 40*60 wood batten
- 10mm plywood
- 12mm interior wood panel
- 100mm thermal insulation between bamboo poles
- 50mm thermal insulation
- 50mm bamboo poles
- 50mm bamboo poles
- metal clamp connect bamboo poles with polycarbonate panels
- 50mm bamboo poles
- 300 mm bamboo beams
- 50mm bamboo poles
- 100mm thermal insulation between bamboo poles
- 50mm thermal insulation
- 50mm bamboo poles
- 50mm bamboo beams
- metal clamp connect bamboo poles with plywood
- metal clamp connect bamboo poles with plywood
- metal clamp connect bamboo poles with plywood
- 100mm bamboo ceiling
- bamboo shading
- bamboo cladding
- bamboo ceiling
- central roof structure
- prefabricated roof panels
- prefabricated panels and stairs
- cantilever roof and grandstand structure

Section perspective
1. prefabricated roof panel:
- 10mm PVC roof covering
- 150mm thermal insulation
- 10mm vapour barrier membrane
- 15mm plywood
- 60*170mm metal plate connect bamboo beam with plywood
- 150mm bamboo beam

2. prefabricated wall panel:
- 12mm interior wood panel
- 10mm vapour barrier membrane
- 50mm thermal insulation between bamboo beam
- 100mm thermal insulation between bamboo post
- 10mm water proof
- 65mm air cavity with 50mm bamboo beam
- 18mm vertical wood panel facade

3. prefabricated wood floor panel:
- 18mm wood floor covering
- 50mm underfloor water pipe infilled with fiber-cement
- 10mm plywood subfloor
- 60mm sound insulation
- 10mm plywood
- 60*170mm metal plate connect bamboo beam with plywood
- 150mm bamboo beam

4. prefabricated concrete floor:
- 15mm floor covering tiles
- Tile adhesive
- 50mm water pipe infilled with fiber-cement
- 10mm vapour barrier membrane
- 100mm thermal insulation
- 150mm hollow concrete floor
- 900mm*600mm Concrete beam

Fragment of section
1. 10mm plywood to cover wood batten
2. bolt to connect prefabricated panels
3. metal plate to connect bamboo pole with plywood
4. 50mm diameter bamboo poles
5. 150mm diameter bamboo poles
6. 100mm diameter bamboo poles with thermal insulation in between
7. 10mm PVC roof membrane
8. metal cantilever beam to support central hanging roof
9. steel band to connect bamboo poles with metal plate
1. wood batten as the bottom plate of bamboo poles
2. steel angle to connect two prefabricated panels
3. metal clamp around bamboo poles to connect bamboo poles with plywood subfloor
4. plywood subfloor
5. wall connector allowing the penetrating bamboo beam between two module wall panels
6. 32mm polycarbonate
7. floor connector panel put on the module floor panels aside
8. metal clamp to connect horizontal and vertical bamboo poles
9. wood facade:
   1. 18mm vertical wood panel facade
   2. 65mm air cavity with 50mm bamboo beam
   3. 10mm water proof
   4. 100mm thermal insulation between bamboo post
   5. 50mm thermal insulation between bamboo beam
10. 10mm vapour barrier membrane
11. 12mm interior wood panel
12. 150mm diameter bamboo poles
13. 100mm diameter bamboo poles